

Tecnikabel

WHERE FUTURE FLOWS



CABLES FOR

**Tactical excellence,
on land and beyond**

**DEFENSE
SECTOR**



Reliability you can trust.

INTRODUCTION

Tecnikabel engineers and manufactures a comprehensive range of special power, signaling, and telecommunication cables, specifically designed for the Aerospace & Defense sectors. We support a wide spectrum of critical applications: from naval frigates to radar systems, from advanced avionics to ground defense operations, and up to complex aerospace requirements.

In modern security scenarios, robust and reliable solutions are essential. They must excel in extreme environments, ensuring uncompromising signal integrity. Our engineering is your guarantee: we customize cables that support complex missions, ensuring the highest safety standards, performance in extreme conditions, and advanced infrastructures for real-time control and data acquisition.

QUALITY SYSTEM

With nearly 50 years of experience, Tecnikabel's enduring commitment to quality has been recognized through the most stringent international manufacturing and quality standards, awarded by both American and European authorities.



Tecnikabel is focused on constant product innovation to get competitive advantages with endless commitment to research and development.

TECNIKABEL LABS:
the Core of
technical excellence.

Research, innovation, and uncompromising quality supporting the most demanding sectors.

Tecnikabel invests in advanced laboratories to guarantee cable performance, safety, and reliability. Our **six laboratory hubs** operate in synergy with R&D, Production, and Quality, ensuring speed and full compliance with international standards. This interconnected ecosystem offers comprehensive testing capabilities for all applications. The **Defense Laboratory** in Volpiano is a strategic part of this structure, focused on validating our solutions for the most critical military and aerospace requirements.

SPECIALIZATION

Validation for military and aerospace cables according to international standards (MIL/SAE AS, VG among others).

MAIN CAPABILITIES

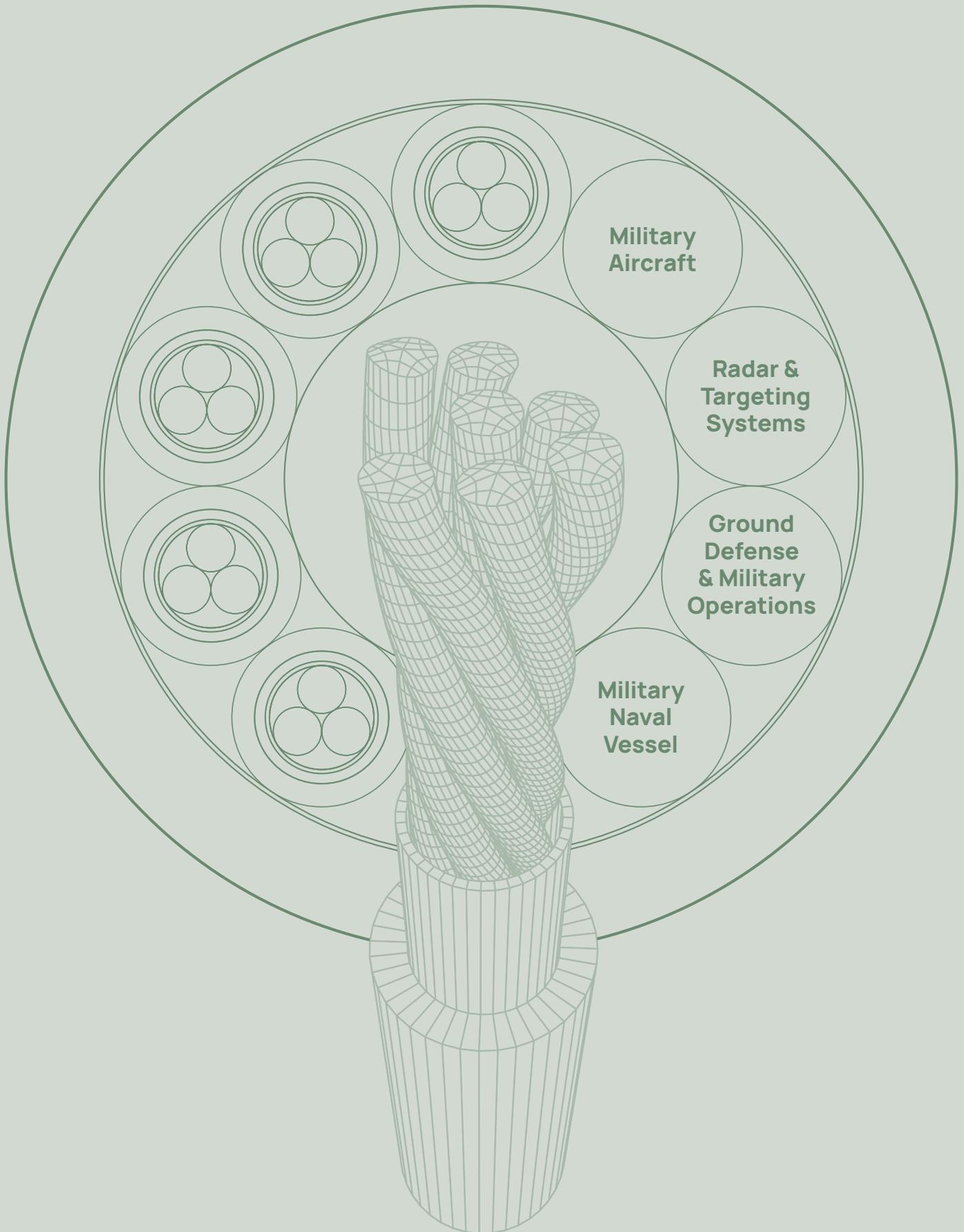
- ✓ Severe environmental tests (shock, vibration, thermal cycling).
- ✓ EMI/EMC and shielding tests.
- ✓ Compatibility with aviation fluids and aggressive substances.
- ✓ Tests according to MIL/SAE AE / DIN, PAN and EFA documents (among others).

ADDED VALUE

Highly confidential infrastructure with certified processes for critical applications.



We offer robust and high-performance special cables
for the entire **Aerospace & Defense** spectrum:



Military Aircraft



CHARACTERISTICS

- Wide temperature range
- Efficiency shielding against EMI/EMP environmental influences

FIELDS OF APPLICATION

- Flight control
- Autopilot system
- Flight dynamics
- Air to air/air to ground targeting system

Ground Defense & Military Operations



CHARACTERISTICS

- Smaller, lighter and tougher than traditional cables
- Wide temperature ranges
- Resistance to fuels and harsh environment
- High efficiency shielding against EMI/EMP environmental influences

FIELDS OF APPLICATION

- On-board tank cables
- Anti-aircraft system
- HUD system

Radar & Targeting Systems



CHARACTERISTICS

- Reliable communications
- High bandwidth for precision targeting
- Better performance and better quality than standard RG/MIL ca

FIELDS OF APPLICATION

- Radar
- GPS locationing
- Laser pointing
- Electro optical interface
- Tactical cables
- Missile launchers

Military Naval Vessel



CHARACTERISTICS

- Harsh and marine environments
- High reliability
- Low smoke zero halogen requirements



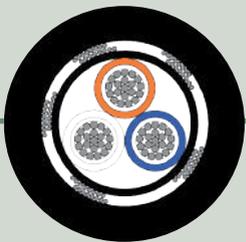


MILITARY NAVAL VESSEL

1. Navigation & warning lighting
2. Signalling
3. I C Switchboards
4. Telephone communications
5. Power distribution
6. Interior lighting controls

NAV 80-6145

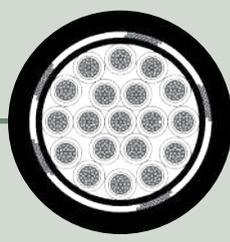
Cables for on-board military naval vessel



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Electrical and electronic interconnections, flexible and miniaturized cables.

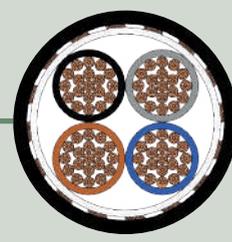
- Power supply
- Signal interconnections between the systems and subsystem units
- General use



0006-13

Zero-halogen electrical and electronic interconnection cables, substitutive for MIL-DTL-24640 cables

- Signalling
- Navigation and warning lighting systems
- Magazine sprinkler power supply and controls
- Communications system



0005-13

Non-toxic electrical cables

– ELECTRICAL POWER CONTROL
– INSTRUMENTATION
– COMMUNICATION

- Halogen-free
- Fire and flame retardance
- Resistance to fire
- Low smoke and acid/corrosive gas emission
- Flexibility, miniaturized and lightweight
- Oil and lubricant resistance

Tecnikabel

Passion flows through our cables

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